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## AMENDMENTS TO THE CLAIMS

Please cancel Claims 48-60 and insert therefor Claims 61-73 as follow. This listing of claims will replace all prior versions, and listings, of claims in the application.

## **Listing of Claims:**

1-60. (Canceled)

61. (New) A compound of the formula (I):

wherein:

X1 and X2 represent CH;

 $X^3$  represents  $-O_{s^-}(CH_2)_{m^-}$ , wherein s indicates 0 or 1, and m indicates an integer to make (m + s) = 0, 1, 2, 3 or 4;

R<sup>1</sup> and R<sup>2</sup> independently represent a hydrogen atom, a halogen atom, a linear or branched lower alkyl group, a lower alkoxy group, or an acetyl group substituted with 2 or 3 fluorine atoms;

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Y is selected from the group consisting of:

## (1) a group of the formula (IV):

wherein:

R<sup>3</sup> is a hydrogen atom, or a lower alkyl group, and R<sup>4</sup> is a group of the formula (V):

wherein R<sup>5</sup> represents a hydrogen atom, a lower alkyl group, a C3 to C8 cycloalkyl group, an aralkyl group, or a heteroaryl group; n indicates 0 or an integer which is 1, 2, 3 or 4;

## (2) a group of the formula (IV):

wherein  $R^3$  is a hydrogen atom, or a lower alkyl group, and  $R^4$  is a group of the formula (VI):

$$-(CH2)q-A$$
 (VI)

wherein A represents a phenyl group, a thienyl group or a pyridyl group; q indicates an integer which is 1, 2 or 3; and

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(3) a group of the formula (IV);



wherein R<sup>3</sup> and R<sup>4</sup> form a nitrogen-containing heterocyclic group which is joined with the nitrogen atom to which they bond; or a pharmaceutically-acceptable salt thereof.

- 62. (New) The compound of Claim 61 wherein R<sup>1</sup> and R<sup>2</sup> are hydrogen atoms, X<sup>3</sup> is -O<sub>s</sub>-(CH<sub>2</sub>)<sub>m</sub>-, wherein s is 0 and m is an integer which is 1, 2 or 3.
- 63. (New) The compound of Claim 61 wherein X<sup>3</sup> is -O<sub>s</sub>-(CH<sub>2</sub>)<sub>m</sub>-, wherein s is 0 and m is an integer which is 1, 2 or 3, to form a nitrogen-containing heterocyclic group which is selected from 1-pyrrolidinyl, piperidinyl and 1-hexamethyleneiminyl.
- 64. (New) The compound of Claim 63 wherein X<sup>3</sup> is -O<sub>s</sub>-(CH<sub>2</sub>)<sub>m</sub>-, wherein s is 0 and m is an integer which is 2, to form a piperidinyl group.

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65. (New) The compound of Claim 61 wherein Y is a group of the formula (IV):

$$\begin{array}{c}
0 \\
N \\
R^4
\end{array}$$
(IV)

wherein:

R<sup>3</sup> is a hydrogen atom, or a lower alkyl group, and R<sup>4</sup> is a group of the formula (V):

wherein R<sup>5</sup> represents a hydrogen atom, a lower alkyl group, a C3 to C8 cycloalkyl group, an aralkyl group, or a heteroaryl group; n indicates 0 or an integer which is 1, 2, 3 or 4.

66. (New) The compound of Claim 61 wherein in formula (II), Y is a group of the formula (IV):

$$\begin{array}{c}
\bullet \\
N \\
R^4
\end{array}$$
(IV)

wherein  $R^3$  is a hydrogen atom, or a lower alkyl group, and  $R^4$  is a group of the formula (VI):

$$-(CH2)q-A$$
 (VI)

wherein A represents a phenyl group, a thienyl group or a pyridyl group; q indicates an integer which is 1, 2 or 3.

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67. (New) The compound of Claim 61 wherein Y is a group of the formula (IV):



wherein R<sup>3</sup> and R<sup>4</sup> form a nitrogen-containing heterocyclic group which is joined with the nitrogen atom to which they bond.

- 68. (New) The compound of Claim 67 wherein the nitrogen-containing heterocyclic group is selected from: piperidinyl, pyrrolidinyl, azetidinyl, homopiperidinyl, and heptamethyleneiminyl.
- 69. (New) The compound of Claim 68 wherein the nitrogen-containing heterocyclic group is piperidinyl.
- 70. (New) The compound of Claim 61 wherein Y is an aryl group or a 5-membered or 6-membered heteroaryl group (wherein the heteroaryl group has, in the ring thereof, from 1 to 3 hetero atoms selected from a group consisting of a nitrogen atom, a sulfur atom and an oxygen atom), which is unsubstituted or substituted with 1 or 2 substituents selected from a group consisting of a lower alkyl group, a lower alkoxy group, a hydroxyl group and a halogen atom.
- 71. (New) A compound which is selected from the group consisting of: N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide, N-(1-methylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide, N-methyl-N-(1-cyclobutylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide, N-methyl-N-(1-cyclopentylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide, N-methyl-N-(1-cyclohexylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide, N-methyl-N-(1-cyclohexylmethylpiperidin-4-yl)-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide, N-methyl-N-[(3R)-1-cyclopentylpyrrolidin-3-yl]-4-[4-(piperidin-1-yl)piperidin-1-yl)piperidin-1-

yl]benzamide,

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N-methyl-N-[(3S)-1-cyclopentylpyrrolidin-3-yl)]-4-[4-(piperidin-1-yl)piperidin-1yl]benzamide,

N-methyl-N-[(3R)-1-benzylpyrrolidin-3-yl)]-4-[4-(piperidin-1-yl)piperidin-1vl]benzamide,

N-methyl-N-[(3R)-1-benzylpyrrolidin-3-yl)]-4-[4-(piperidin-1-yl)piperidin-1vl]benzamide.

2-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-1,2,3,4-tetrahydroisoguinoline,

1-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-1,2,3,4-tetrahydroquinoline,

1-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-4-phenylpiperazine,

N-methyl-N-(thiophen-2-yl)methyl-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,

N-methyl-N-phenethyl-4-[4-(piperidin-1-yl)piperidin-1-yl]benzamide,

1-{4-(piperidin-1-yl)piperidin-1-yl]benzoyl-3-(3,4-difluorophenyl)pyrrolidine,

4-{4-(piperidin-1-yl)piperidin-1-yl]benzoylpiperidin-1-yl,

N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(pyrrolidin-1-yl)piperidin-1-yl]benzamide,

N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(azetidin-1-yl)piperidin-1-yl]benzamide,

N-methyl-N-(1-methylpiperidin-4-yl)-4-[4-(4,4-difluoropiperidin-1-yl)piperidin-1yl]benzamide,

or a pharmaceutically-acceptable salt thereof.

- 72. (New) A pharmaceutical composition which comprises an inert carrier and a compound of Claim 61, or a pharmaceutically acceptable salt thereof.
- 73. (New) A pharmaceutical composition which comprises an inert carrier and a compound of Claim 71, or a pharmaceutically acceptable salt thereof.